and bowl provided by a recessed thread form that is spaced from and in non-engaging relation with the screw threads on the other of the support and bowl, and a thread producing insert seated in said thread form, said insert projecting from the thread form and into engagement with [providing] the screw threads [surface in mated engagement with the thread] of the other of said support and said bowl.

(Amended) A rock crusher [including an] comprising:

a conical shaped bowl, a cone mounted for oscillating [cone] movement within [a] the conical shaped bowl, said [wherein the] bowl [is] being vertically adjustable relative to the cone for crushing rock to specific sizes; [, said rock crusher comprising:]

a frame including an annular bowl support, [a] <u>said</u> bowl adjustably supported within said annular bowl support for vertical adjustment of the bowl <u>relative to the cone;</u>

said vertical adjustment provided by mated screw threads on said support and said bowl whereby the bowl is screwed up or down on the support and thereby closer or farther away from said bowl;

an annular lock ring having a screw thread mated to the bowl and screwed onto the bowl and defining [a] an annular surface in abutment with [a] an annular surface of the support;

an annular chamber provided in one of the lock ring and bowl support and an annular piston fitted to the chamber, said piston

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providing the abutment surface for <u>one of</u> said lock ring [or] <u>and</u> bowl support; and

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a hydraulic fluid source providing hydraulic fluid to the chamber, and a control for controlling the hydraulic fluid flow to the chamber for urging movement of the <u>annular</u> piston toward the [support] surface of the other of the lock ring and support and thereby producing a binding-type lock that inhibits screw movement of the bowl.

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## REMARKS

The claims have been amended to hopefully overcome the §112 rejections. The claims have been further amended to emphasize the differences over the cited references. To the extent that there are issues remaining to be resolved, the undersigned here requests a telephone interview for resolution.

The invention of Claim 1 is directed to the provision of mated screw threads provided on a bowl support and bowl of a rock crusher whereby one of the screw threads is an insert. The weight applied to the screw threads is measured in the thousands of pounds and galling and heat induced welding is a problem.

It is known that the problem can be largely alleviated if one or the other of the thread surfaces is provided with a dissimilar material. U.S. Patent No. 4,571,112 (cited at page 4 of the

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